# FORWARD WISCONSIN: REDUCING DIESEL EMISSIONS FOR THE LONG HAUL

**July 20, 2005**

**Milwaukee Area Technical College**
**South Campus**
**6665 S. Howell Avenue**
**Oak Creek, WI 53154**

**Lecture Hall (Room A241)**

**Background:** Emissions from diesel engines contribute to smog (ozone), fine particles, and air toxics which lead to public health implications such as asthma, respiratory and cardiovascular illness and premature death. These health implications are especially significant for sensitive populations which include children, outdoor workers, the elderly, and people with respiratory disease. Long term exposure to diesel exhaust may also pose a lung cancer hazard to humans.

USEPA Region 5 is leading the Midwest Clean Diesel Initiative, a public-private partnership to reduce diesel emissions in the Midwest. The main goal of the Initiative is to accelerate public health benefits by working with partners in communities and industry to *voluntarily* reduce diesel emissions prior to, or in addition to, mandatory deadlines.

Over 2.1 million people in Wisconsin (40% of the State's population) are living in areas designated nonattainment for ozone. In addition, the State of Wisconsin has experienced 15 days of particulate matter alerts since September 2003 with Southeast Wisconsin experiencing 13 days.

**Purpose:** To discuss why diesel emission reductions are needed, how they can be obtained, and examples of fleets using them. Diesel retrofit emission control systems and idle reduction strategies will be demonstrated.

**Audience:** Municipal and private fleet managers, trucking company or association leaders, school district transportation managers and school bus company managers, construction industry representatives, locomotive industry and port representatives and others interested in diesel emission reduction opportunities.

**Hosted by:**
Milwaukee Area Technical College

**Presented by:**
USEPA, Region 5 Midwest Clean Diesel Initiative
USDOE, Midwest Regional Office
Wisconsin Department of Natural Resources

Wisconsin Clean Cities – Southeast Area

**Sponsors:**
Idle Reduction Technology Vendors
Diesel Retrofit Technology Vendors

**Cost**: **$15** Includes lunch and refreshments.

**Registration**: Space is limited for this event. Please register by **July 1st** via email to francis.vogel@we-energies.com or via fax (414) 221-2851. Please make check payable to Wisconsin Clean Cities – Southeast Area
231 W. Michigan St., P318
Milwaukee, WI 53203

**Parking**: Lot B Please see attached map.

## AGENDA

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| 8:00 am | Registration |
| 8:30 am | **Welcome**<br>Milwaukee Area Technical College<br>USEPA Region 5<br>Wisconsin Clean Cities – Southeast Area |
| 8:40 am | ***What are the Public Health Implications from Diesel****?*<br>Mark Werner Ph.D.<br>Wisconsin Department of Health and Family Services |
| 9:00 am | ***Wisconsin's Air Quality- Meeting the Clean Air Challenges***<br>Lloyd Eagan, Director Air Management Bureau, WDNR |
| 9:15 am | ***Reducing Diesel Emissions: Overview of EPA Regulations and the Importance of Voluntary Action***<br>Bharat Mathur, Acting Regional Administrator, USEPA Region 5 |
| 10:00 – 10:15 am | Break |
| 10:15 - 11:15 am | **Panel Discussion: Idle Reduction**<br>This panel will cover an overview of idle reduction technologies and strategies. In addition, some local companies will showcase what they are doing to manage idling in their fleets.<br>Moderator: Francis Vogel, Wisconsin Clean Cities – Southeast Area<br>• *Overview of Idle Reduction Options for Trucks, Buses, and Locomotives* |

Dr. Linda Gaines, Argonne National Laboratory

- Schneider National
- *Quad/Graphics and the SmartWay Transport Partnership Experience*
  John Drake, Fleet Manager and Scott Geshrick, Safety Specialist for Duplainville Transport, division of Quad/Graphics, Inc.

11:15 - 12:15 pm **Panel Discussion: Diesel Retrofit Technologies**

This panel will provide a brief overview of EPA verified diesel retrofit technologies for heavy duty trucks, buses, locomotives, and non-road equipment. In addition local applications of diesel retrofits will be highlighted.

Moderator: Jessica Lawent, Wisconsin Department of Natural Resources

- *Overview of Diesel Retrofit Control Options and Key Technical Elements of a Successful Retrofit Program*
  Dale McKinnon, Manufacturers of Emission Controls Association
- *Wisconsin School Bus Retrofit Program*
  Myron Birschbach, Inland Detroit Diesel Allison

12:15-12:30 pm **Group Discussion**

Participants will discuss the benefits and challenges to reducing diesel emissions.

12:30 – 1:30 pm Lunch

1:30 – 3:30 pm **Hands-On Technology Demonstrations**

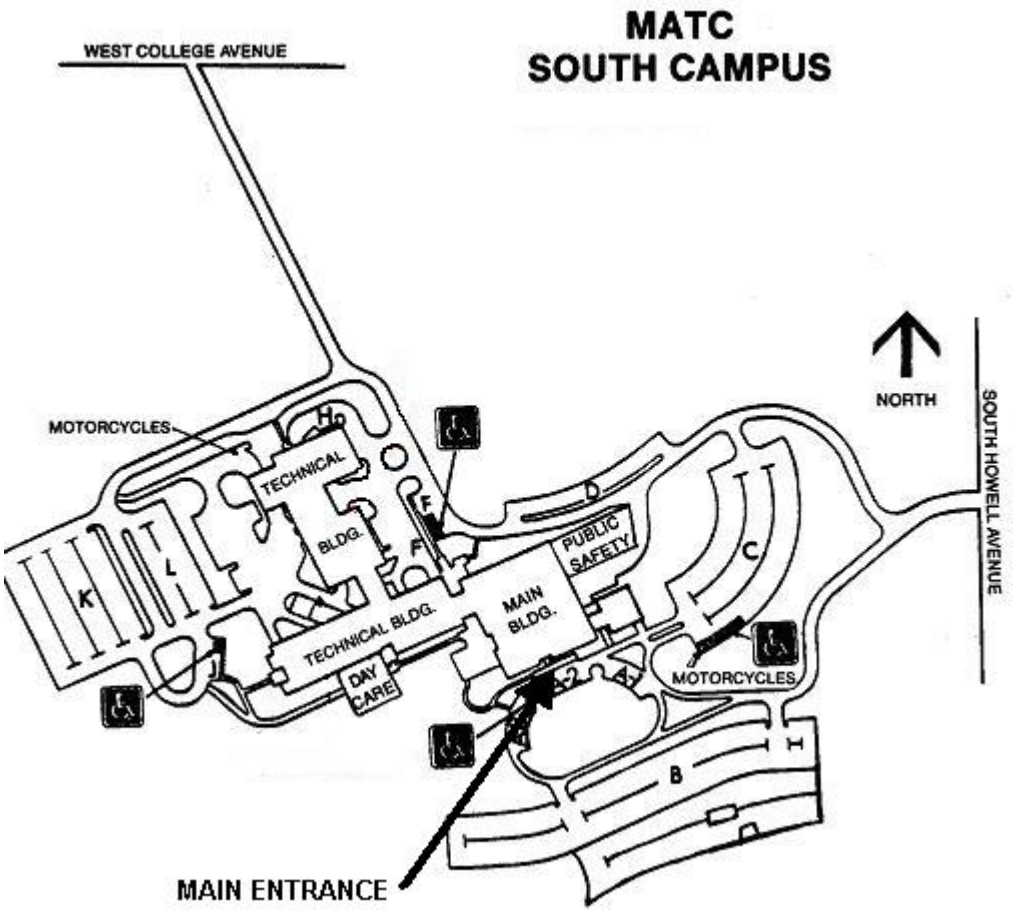
In this session participants will be able to view first-hand how idle reduction technologies and diesel retrofit technologies operate.

- Schneider National
- Quad Graphics – Truck with idle reduction technology
- City of Milwaukee, Department of Public Works - Roll-off truck with diesel oxidation catalyst
- Local school bus with diesel oxidation catalyst
- School bus with diesel particulate filter (tentative)

3:30 pm **Wrap-up/Next Steps**

Open discussion on challenges and opportunities

4:00 pm Adjourn

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**REGISTRATION FORM**

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Name: _____ Title: _____

Organization:_____

Address: _____

Phone: _____ Email: _____

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Questions, please contact Julie Magee, USEPA, Region 5; 312-886-6063.